

Patent Application No. 09/879,719

to the detected characteristic

10. (Twice Amended) A method for culturing cells and/or a microorganism, comprising the steps of:
- providing a disposable first liner forming a reservoir having an opening;
  - attaching the first liner to a closure to close the opening;
  - introducing into the reservoir a cell suspension comprised of culture medium and one of cells or a microorganism;
  - culturing the cells or microorganism in the reservoir;
  - detaching the first liner from the closure after culturing the cells or microorganism; and
  - attaching a second liner to the closure after detaching the first liner.
13. (Amended) The method of claim 10 comprising the step of detecting a growth characteristic of the cell or microorganism in the cell suspension and varying the aerating fluid composition in response to the detected characteristic.
14. (Amended) The method of claim 13 wherein the reservoir is translucent, and the step of detecting a growth characteristic comprises optically detecting a characteristic of the cell suspension while the cell suspension is in the reservoir.

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15. (Amended) The method of claim 10 comprising the step of detecting a growth characteristic of the cell suspension and varying the aerating fluid flow rate in response to the detected characteristic.
16. (Amended) The method of claim 15 wherein the reservoir is translucent, and the step of detecting a growth characteristic comprised optically detecting a characteristic of the cell suspension while the cell suspension is in the reservoir.
17. (Amended) A method for culturing cells and/or a microorganism, comprising the steps of:
- providing a first flexible plastic reservoir having a first opening;
  - introducing a culture media into the first reservoir;
  - introducing cells or a microorganism into the first reservoir;
  - closing the first opening so that the first opening is substantially closed while maintaining a port for fluid transfer into the first reservoir;
  - providing a second reservoir having a culture media;
  - circulating the culture media between the first reservoir and the second reservoir through the port in the first opening.
22. (Amended) The method of claim 20 wherein the culture media and the cells or microorganisms are combined to form a cell culture, wherein the method comprises the step of detecting a growth characteristic of the cell or